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[AbstractPlus](#) | Full Text: [PDF\(1084 KB\)](#) IEEE JNL

- ☐ 37. A SAW duplexer with superior temperature characteristics for US-PCS
Kovacs, G.; Ruile, W.; Jakob, M.; Rosler, U.; Maier, E.; Knauer, U.; Zoul, H.;
Ultrasonics Symposium, 2004 IEEE
Volume 2, 23-27 Aug. 2004 Page(s):974 - 977 Vol.2
Digital Object Identifier 10.1109/ULTSYM.2004.1417923

[AbstractPlus](#) | Full Text: [PDF\(549 KB\)](#) IEEE CNF
[Rights and Permissions](#)



38. Design and optimization of locally resonating sonic crystals

Hirsekorn, M.; Delsanto, P.P.; Batra, N.; Matic, P.;

[Ultrasonics, 2003 IEEE Symposium on](#)

Volume 2, 5-8 Oct. 2003 Page(s):1491 - 1494 Vol.2

Digital Object Identifier 10.1109/ULTSYM.2003.1293188

[AbstractPlus](#) | Full Text: [PDF\(341 KB\)](#) IEEE CNF

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39. Methods for simulating string collisions with rigid spatial obstacles

Krishnaswamy, A.; Smith, J.O.;

[Applications of Signal Processing to Audio and Acoustics, 2003 IEEE Workshop on](#)

19-22 Oct. 2003 Page(s):233 - 236

[AbstractPlus](#) | Full Text: [PDF\(1456 KB\)](#) IEEE CNF

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40. Bore reconstruction of tubular ducts from its acoustic input impedance curve

Kausel, W.;

[Instrumentation and Measurement Technology Conference, 2003. IMTC '03. Proceedings of the 2003](#)

Volume 2, 20-22 May 2003 Page(s):993 - 998 vol.2

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<input type="checkbox"/>	L16	L14 and (waveguide? same slope?)	1
<input type="checkbox"/>	L15	L14 and (waveguide? same resistance)	1
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L1: Entry 1 of 1

File: PGPB

May 5, 2005

PGPUB-DOCUMENT-NUMBER: 20050094836

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050094836 A1

TITLE: Waveguide modeling and design system

PUBLICATION-DATE: May 5, 2005

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Manrique, Pedro

Pasadena

CA

US

US-CL-CURRENT: 381/342; 381/337, 381/340

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw. De
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☐ 1. Document ID: US 20050094836 A1

L7: Entry 1 of 2

File: PGPB

May 5, 2005

PGPUB-DOCUMENT-NUMBER: 20050094836

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050094836 A1

TITLE: Waveguide modeling and design system

PUBLICATION-DATE: May 5, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Manrique, Pedro	Pasadena	CA	US

US-CL-CURRENT: 381/342; 381/337, 381/340

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn De
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☐ 2. Document ID: US 5917974 A

L7: Entry 2 of 2

File: USPT

Jun 29, 1999

US-PAT-NO: 5917974

DOCUMENT-IDENTIFIER: US 5917974 A

TITLE: Method and apparatus for implementing coupled guiding structures with apodized interaction

DATE-ISSUED: June 29, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tavlykaev; Robert F.	Gainesville	FL		
Ramaswamy; Ramu V.	Gainesville	FL		

US-CL-CURRENT: 385/50; 385/39, 385/45

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawn De
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☐ 1. Document ID: US 20050094836 A1

L8: Entry 1 of 1

File: PGPB

May 5, 2005

PGPUB-DOCUMENT-NUMBER: 20050094836

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050094836 A1

TITLE: Waveguide modeling and design system

PUBLICATION-DATE: May 5, 2005

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Manrique, Pedro

Pasadena

CA

US

US-CL-CURRENT: 381/342; 381/337, 381/340

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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Term	Documents
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POLYNOMIALS	8278
CURVE	461372
CURVES	246398
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(L5 AND POLYNOMIAL AND CURVE) . PGPB, USPT.	1

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☐ 1. Document ID: US 20050111673 A1

L9: Entry 1 of 1

File: PGPB

May 26, 2005

PGPUB-DOCUMENT-NUMBER: 20050111673

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050111673 A1

TITLE: Baffle vibration reducing

PUBLICATION-DATE: May 26, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Rosen, Michael D.	Framingham	MA	US
Link, Christopher J.	Arlington	MA	US
Little, Richard Warren	Franklin	MA	US
Munro, Andrew D.	Arlington	MA	US
Greenberger, Hal P.	Milford	MA	US

US-CL-CURRENT: 381/89

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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Term	Documents
ACOUSTIC	114918
ACOUSTICS	11591
WAVEGUIDE?	0
WAVEGUIDEA	2
WAVEGUIDEB	1
WAVEGUIDED	590
WAVEGUIDEK	2
WAVEGUIDEL	2
WAVEGUIDER	3
WAVEGUIDES	31557

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☐ 1. Document ID: US 20050094836 A1

L11: Entry 1 of 3

File: PGPB

May 5, 2005

PGPUB-DOCUMENT-NUMBER: 20050094836

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050094836 A1

TITLE: Waveguide modeling and design system

PUBLICATION-DATE: May 5, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Manrique, Pedro	Pasadena	CA	US

US-CL-CURRENT: [381/342](#); [381/337](#), [381/340](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Dg
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☐ 2. Document ID: US 20040034514 A1

L11: Entry 2 of 3

File: PGPB

Feb 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040034514

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040034514 A1

TITLE: Method for assembling the finite element discretization of arbitrary weak equations involving local or non-local multiphysics couplings

PUBLICATION-DATE: February 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Langemyr, Lars	Stockholm	MA	SE
Bertilsson, Daniel	Sollentuna		SE
Nordmark, Arne	Stockholm		SE
Persson, Per-Olof	Cambridge		US
Long, Jerome	Middx		GB

US-CL-CURRENT: [703/2](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. Da
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☐ 3. Document ID: US 20030105614 A1

L11: Entry 3 of 3

File: PGPB

Jun 5, 2003

PGPUB-DOCUMENT-NUMBER: 20030105614

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030105614 A1

TITLE: Method for assembling the finite element discretization of arbitrary weak equations, involving local or non-local multiphysics couplings

PUBLICATION-DATE: June 5, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Langemyr, Lars	Stockholm	MA	SE
Bertilsson, Daniel	Sollentuna		SE
Nordmark, Arne	Stockholm		SE
Persson, Per-Olof	Cambridge		US
Long, Jerome	Middlesex		GB

US-CL-CURRENT: 703/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. Da
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POLYNOMIALS	8278
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(L10 AND POLYNOMIAL) .PGPB,USPT.	3

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☐ 1. Document ID: US 20050094836 A1

L17: Entry 1 of 17

File: PGPB

May 5, 2005

PGPUB-DOCUMENT-NUMBER: 20050094836

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050094836 A1

TITLE: Waveguide modeling and design system

PUBLICATION-DATE: May 5, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Manrique, Pedro	Pasadena	CA	US

US-CL-CURRENT: 381/342; 381/337, 381/340

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn Da
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☐ 2. Document ID: US 6522794 B1

L17: Entry 2 of 17

File: USPT

Feb 18, 2003

US-PAT-NO: 6522794

DOCUMENT-IDENTIFIER: US 6522794 B1

TITLE: Display panel with electrically-controlled waveguide-routing

DATE-ISSUED: February 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bischel; William K.	Menlo Park	CA		
Brinkman; Michael J.	Redwood City	CA		
Deacon; David A. G.	Los Altos	CA		
DeWath; Edward J.	Cupertino	CA		
Dyer; Mark J.	San Jose	CA		
Field; Simon J.	Menlo Park	CA		

US-CL-CURRENT: 385/4; 385/10, 385/12, 385/130, 385/131, 385/14, 385/15, 385/16,
385/17, 385/37, 385/40, 385/8, 385/901, 436/518, 436/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 3. Document ID: US RE37809 E

L17: Entry 3 of 17

File: USPT

Jul 30, 2002

US-PAT-NO: RE37809

DOCUMENT-IDENTIFIER: US RE37809 E

TITLE: Laser with electrically-controlled grating reflector

DATE-ISSUED: July 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deacon; David A. G.	Los Altos	CA		
Field; Simon J.	Palo Alto	CA		
Brinkman; Michael J.	Redwood City	CA		
Bischel; William K.	Menlo Park	CA		

US-CL-CURRENT: 372/102

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 4. Document ID: US 6167169 A

L17: Entry 4 of 17

File: USPT

Dec 26, 2000

US-PAT-NO: 6167169

DOCUMENT-IDENTIFIER: US 6167169 A

TITLE: Scanning method and architecture for display

DATE-ISSUED: December 26, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brinkman; Michael J.	Redwood City	CA		
Bischel; William K.	Menlo Park	CA		

US-CL-CURRENT: 385/4, 385/10, 385/130, 385/131, 385/14, 385/15, 385/16, 385/17,
385/2, 385/37, 385/40, 385/8, 385/901

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 5. Document ID: US 6151429 A

L17: Entry 5 of 17

File: USPT

Nov 21, 2000

US-PAT-NO: 6151429
DOCUMENT-IDENTIFIER: US 6151429 A

TITLE: Polarisation asymmetric active optical waveguide, method of its production, and its uses

DATE-ISSUED: November 21, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kristensen; Martin	Lyngby			DK
Hubner; Jorg	Lyngby			DK
Varming; Poul	Copenhagen			DK
Sejka; Milan	Ottawa			CA
Palsdottir; Bera	Copenhagen			DK

US-CL-CURRENT: [385/11](#); [385/126](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 6. Document ID: US 6141465 A

L17: Entry 6 of 17

File: USPT

Oct 31, 2000

US-PAT-NO: 6141465
DOCUMENT-IDENTIFIER: US 6141465 A

TITLE: Display architecture with waveguide routing and out-plane emission

DATE-ISSUED: October 31, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bischel; William K.	Menlo Park	CA		
Brinkman; Michael J.	Redwood City	CA		
Deacon; David A. G.	Los Altos	CA		
De Wath; Edward J.	Cupertino	CA		
Dyer; Mark J.	San Jose	CA		
Field; Simon J.	Menlo Park	CA		

US-CL-CURRENT: [385/4](#); [385/10](#), [385/130](#), [385/131](#), [385/14](#), [385/15](#), [385/16](#), [385/17](#),
[385/2](#), [385/37](#), [385/40](#), [385/8](#), [385/901](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 7. Document ID: US 6118908 A

L17: Entry 7 of 17

File: USPT

Sep 12, 2000

US-PAT-NO: 6118908

DOCUMENT-IDENTIFIER: US 6118908 A

TITLE: Integrated optical device with phosphor in substrate pit

DATE-ISSUED: September 12, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bischel; William K.	Menlo Park	CA		
Brinkman; Michael J.	Redwood City	CA		
Deacon; David A. G.	Los Altos	CA		
DeWath; Edward J.	Cupertino	CA		
Dyer; Mark J.	San Jose	CA		
Field; Simon J.	Menlo Park	CA		

US-CL-CURRENT: [385/14](#); [385/130](#), [385/131](#), [385/132](#), [385/147](#), [385/18](#), [385/39](#), [385/50](#), [385/901](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D.
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☐ 8. Document ID: US 6078704 A

L17: Entry 8 of 17

File: USPT

Jun 20, 2000

US-PAT-NO: 6078704

DOCUMENT-IDENTIFIER: US 6078704 A

**** See image for Certificate of Correction ****

TITLE: Method for operating a display panel with electrically-controlled waveguide-routing

DATE-ISSUED: June 20, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bischel; William K.	Menlo Park	CA		
Brinkman; Michael J.	Redwood City	CA		
Deacon; David A. G.	Los Altos	CA		
DeWath; Edward J.	Cupertino	CA		
Dyer; Mark J.	San Jose	CA		
Field; Simon J.	Menlo Park	CA		

US-CL-CURRENT: [385/4](#); [385/10](#), [385/130](#), [385/131](#), [385/14](#), [385/15](#), [385/16](#), [385/17](#), [385/2](#), [385/37](#), [385/40](#), [385/8](#), [385/901](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. D.
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☐ 9. Document ID: US 5978524 A

L17: Entry 9 of 17

File: USPT

Nov 2, 1999

US-PAT-NO: 5978524

DOCUMENT-IDENTIFIER: US 5978524 A

**** See image for Certificate of Correction ****

TITLE: Phosphor RE-radiation in integrated optics

DATE-ISSUED: November 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bischel; William K.	Menlo Park	CA		
Brinkman; Michael J.	Redwood City	CA		
Deacon; David A. G.	Los Altos	CA		
DeWath; Edward J.	Cupertino	CA		
Dyer; Mark J.	San Jose	CA		
Field; Simon J.	Menlo Park	CA		

US-CL-CURRENT: 385/4; 385/10, 385/130, 385/131, 385/14, 385/15, 385/16, 385/17,
385/2, 385/37, 385/40, 385/8, 385/901

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. Data
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☐ 10. Document ID: US 5912997 A

L17: Entry 10 of 17

File: USPT

Jun 15, 1999

US-PAT-NO: 5912997

DOCUMENT-IDENTIFIER: US 5912997 A

TITLE: Frequency converter optical source for switched waveguide

DATE-ISSUED: June 15, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bischel; William K.	Menlo Park	CA		
Brinkman; Michael J.	Redwood City	CA		
Deacon; David A.G.	Los Altos	CA		
DeWath; Edward J.	Cupertino	CA		
Dyer; Mark J.	San Jose	CA		
Field; Simon J.	Menlo Park	CA		

US-CL-CURRENT: 385/15; 385/10, 385/16, 385/17, 385/18, 385/37, 385/40, 385/8,
385/901

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. Data
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☐ 11. Document ID: US 5911018 A

L17: Entry 11 of 17

File: USPT

Jun 8, 1999

US-PAT-NO: 5911018
DOCUMENT-IDENTIFIER: US 5911018 A

TITLE: Low loss optical switch with inducible refractive index boundary and spaced output target

DATE-ISSUED: June 8, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bischel; William K.	Menlo Park	CA		
Brinkman; Michael J.	Redwood City	CA		
Deacon; David A.G.	Los Altos	CA		
DeWath; Edward J.	Cupertino	CA		
Dyer; Mark J.	San Jose	CA		
Field; Simon J.	Menlo Park	CA		

US-CL-CURRENT: 385/16; 385/11, 385/131, 385/132, 385/14, 385/15, 385/18, 385/40,
385/45, 385/8, 385/9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 12. Document ID: US 5835458 A

L17: Entry 12 of 17

File: USPT

Nov 10, 1998

US-PAT-NO: 5835458
DOCUMENT-IDENTIFIER: US 5835458 A

TITLE: Solid state optical data reader using an electric field for routing control

DATE-ISSUED: November 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bischel; William K.	Menlo Park	CA		
Deacon; David A. G.	Los Altos	CA		
Brinkman; Michael J.	Redwood City	CA		
Field; Simon J.	Menlo Park	CA		
DeWath; Edward J.	Cupertino	CA		
Dyer; Mark J.	San Jose	CA		

US-CL-CURRENT: 369/44.12; 369/112.27, 369/112.29, 369/44.23, 369/44.28, 369/44.29

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 13. Document ID: US 5724463 A

L17: Entry 13 of 17

File: USPT

Mar 3, 1998

US-PAT-NO: 5724463
DOCUMENT-IDENTIFIER: US 5724463 A

TITLE: Projection display with electrically controlled waveguide-routing

DATE-ISSUED: March 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deacon; David A. G.	Los Altos	CA		
Bischel; William K.	Menlo Park	CA		
Brinkman; Michael J.	Redwood City	CA		
DeWath; Edward J.	Cupertino	CA		
Dryer; Mark J.	San Jose	CA		
Field; Simon J.	Menlo Park	CA		

US-CL-CURRENT: 385/27, 385/10, 385/18, 385/47, 385/9, 385/901

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 14. Document ID: US 5664032 A

L17: Entry 14 of 17

File: USPT

Sep 2, 1997

US-PAT-NO: 5664032
DOCUMENT-IDENTIFIER: US 5664032 A

TITLE: Display panel with electrically-controlled waveguide-routing

DATE-ISSUED: September 2, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bischel; William K.	Menlo Park	CA		
Brinkman; Michael J.	Redwood City	CA		
Deacon; David A. G.	Los Altos	CA		
DeWath; Edward J.	Cupertino	CA		
Dyer; Mark J.	San Jose	CA		
Field; Simon J.	Menlo Park	CA		

US-CL-CURRENT: 385/4, 385/10, 385/130, 385/131, 385/14, 385/15, 385/16, 385/17,
385/2, 385/37, 385/40, 385/8, 385/901

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 15. Document ID: US 5647036 A

L17: Entry 15 of 17

File: USPT

Jul 8, 1997

US-PAT-NO: 5647036
DOCUMENT-IDENTIFIER: US 5647036 A

TITLE: Projection display with electrically-controlled waveguide routing

DATE-ISSUED: July 8, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deacon; David A. G.	Los Altos	CA		
Bischel; William K.	Menlo Park	CA		
Brinkman; Michael J.	Redwood City	CA		
DeWath; Edward J.	Cupertino	CA		
Dryer; Mark J.	San Jose	CA		
Field; Simon J.	Menlo Park	CA		

US-CL-CURRENT: 385/27; 385/9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 16. Document ID: US 5544268 A

L17: Entry 16 of 17

File: USPT

Aug 6, 1996

US-PAT-NO: 5544268
DOCUMENT-IDENTIFIER: US 5544268 A

TITLE: Display panel with electrically-controlled waveguide-routing

DATE-ISSUED: August 6, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bischel; William K.	Menlo Park	CA		
Brinkman; Michael J.	Redwood City	CA		
Deacon; David A. G.	Los Altos	CA		
DeWath; Edward J.	Cupertino	CA		
Dyer; Mark J.	San Jose	CA		
Field; Simon J.	Menlo Park	CA		

US-CL-CURRENT: 385/4; 385/16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 17. Document ID: US 5504772 A

L17: Entry 17 of 17

File: USPT

Apr 2, 1996

US-PAT-NO: 5504772

DOCUMENT-IDENTIFIER: US 5504772 A

TITLE: Laser with electrically-controlled grating reflector

DATE-ISSUED: April 2, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deacon; David A. G.	Los Altos	CA		
Field; Simon J.	Menlo Park	CA		
Brinkman; Michael J.	Redwood City	CA		
Bischel; William K.	Menlo Park	CA		

US-CL-CURRENT: 372/102